

**REMARKS**

The specification and claims have been amended without adding new matter in order to correct minor informalities and to address other issues raised by the Examiner. Claims 13 and 14 have been canceled, and claim 15 has been amended to incorporate all of the relevant limitations of claims 13 and 14. Fourteen claims remain pending in the application: Claims 1-12, 15 and 16.

Applicant acknowledges with appreciation that claims 1-12 are allowed, and that that claims 15 and 16 are now allowable as claim 15 has been rewritten in independent form.

By way of this amendment, Applicant has made a diligent effort to place the claims in condition for allowance. However, should there remain any outstanding issues that require adverse action, it is respectfully requested that the Examiner telephone the undersigned at (858) 552-1311 so that such issues may be resolved as expeditiously as possible.

**Summary of Applicant Initiated Examiner Interview**

1. Per 37 CFR § 133(b), the following is a brief summary of the Examiner interview conducted on October 18, 2004 via telephone between Steve Freeland, Attorney of Record, and Examiner Jean B. Corrielus.

The Applicant thanks the Examiner for the phone interview given on October 18, 2004. The topics discussed were Claim 1, and typographical errors objected to in the specification. With regards to Claim 1, Examiner has objected to the specification as failing to provide proper antecedent basis for the claimed subject, specifically "...prior to band limiting," as recited in claim 1. Applicant demonstrated support for such language in the application as filed at least in reference to the embodiments depicted in Figures 5 and 10A and described in the specification as filed. However, the Examiner requested the specification be amended at page 55 line 4 to more clearly identify functions of the components of a single figure to reflect the language of claim 1. The Examiner agreed that the specification as filed provided support for this amendment and for claim 1 as filed.

Further discussed were the Examiners objections to the specification referring to typographical errors that Applicant was unable to locate. It was determined that many of the errors were potentially due to problems in the scanned version of the application. Therefore, Applicant is submitting herewith a copy of the Specification as filed (excluding the claims).

### Specification

2. The specification is objected to for failing to provide proper antecedent basis for the claimed subject matter.

The Examiner has objected to the specification indicating that the specification fails to provide proper antecedent basis for claim 1, and more specifically to the phrase “prior to band limiting....” Applicant submits, however, that the specification provides proper antecedent basis throughout the specification for the claimed subject “detecting a level of a signal that is proportional to a level of the input signal prior to band limiting...” as recited in claim 1.

As requested by the Examiner in the Examiner’s Interview, the specification has been amended to specify functions of components of Figure 10A to reflect the language of claim 1 in a single Figure. The Examiner agreed that the specification as filed provides support for this amendment. For example, support for this amendment is provided at least in the positioning of SAW filters 1011 and 1012 after signal detection in Figure 10A, and additionally throughout the specification as filed.

The Examiner further objected to the specification with respect to some typographical errors. The specification was amended to replace paragraphs at page 13, line 9; page 48, line 4; page 15, line 13; page 52, line 7; page 52, line 9; and page 53, line 9, to address some of the Examiner objections. The Examiner has further indicated that following items are objected to and require correction:

- Page 38, line 21, “provid”;
- Page 39, line 21, “xamples” and “b”;
- Page 45, line 21, “cod”, and line 22, “amplify r”;
- Page 47, line 22, “lin arizer”;

However, Applicant was unable to locate these items in the application as filed. As discussed in the Examiner's Interview, it was determined the errors were potentially due to problems in the scanned version of the application. Therefore, Applicant is submitting herewith a copy of the Specification as filed, and reconsideration regarding these corrections is respectfully requested.

**Claim Rejections - 35 U.S.C. §103**

3. Claims 13 and 14 stand rejected under 35 U.S.C. § 103(a), as being unpatentable over U.S. Patent No. JP409107299A (Satoshi Mogi) in view of U.S. Patent No. 6,208,849 (Cho et al.). Applicant traverses this rejection. In an effort to expedite the prosecution of the subject application, Applicant has cancelled claims 13 and 14, and thus the rejection is rendered moot.

**Allowable Subject Matter**

4a. Claims 1-12 have been indicated as allowed.

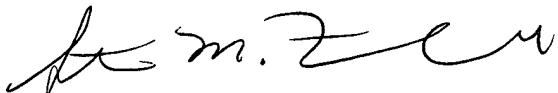
4b. Claims 15 and 16 stand objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form. Claim 15 has been amended to be in independent form and to include all of the relevant limitations of the base claim and intervening claim. Therefore, Applicant respectfully submits that claims 15 and 16 are now in condition for allowance.

**CONCLUSION**

Applicants submit that the above amendments and remarks place the pending claims in a condition for allowance. Therefore, a Notice of Allowance is respectfully requested.

Respectfully submitted,

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